

0590  
0503

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OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/943,531A

DATE: 05/07/2002  
TIME: 13:20:28

Input Set : D:\52459-20020.txt  
Output Set: N:\CRF3\05072002\I943531A.raw

ENTERED

4 <110> APPLICANT: Sequenom, Inc.  
5       Risinger, Karl  
6       Andersson, Maria K.  
7       Lewander, Tommy  
8       Olaisson, Erik  
10 <120> TITLE OF INVENTION: DETECTION OF CYP2C19 POLYMORPHISMS  
13 <130> FILE REFERENCE: 52459-20020.00  
15 <140> CURRENT APPLICATION NUMBER: US 09/943,531A  
16 <141> CURRENT FILING DATE: 2001-08-30  
18 <150> PRIOR APPLICATION NUMBER: GB 0021286.0  
19 <151> PRIOR FILING DATE: 2000-08-30  
21 <160> NUMBER OF SEQ ID NOS: 38  
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
25 <210> SEQ ID NO: 1  
26 <211> LENGTH: 1239  
27 <212> TYPE: DNA  
28 <213> ORGANISM: Homo sapiens  
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32 tcaaggccctt agcaccaaat tctctgagat cagctttcc ttcagttaca ctgagcgttt       120  
33 cccctctgca gtgatggaga agggagaact cttatttttt ctcatgagca tctctggggc       180  
34 tggggcctt agataaataa gtgggtctat ttaatgtgaa gcctgtttt tgaacaggat       240  
35 gaatgtggta tatattcaga ataactaakg tttggaaagtt gttttgtttt gctaaaacaa       300  
36 agtttttagca aacgattttt ttttcaaattt ttgtgtcttc tgttctcaaa gyatctctga       360  
37 tgtaagagat aatgcgccac gatgggcatac agaagaccc agctcaaattt ccagttctgc       420  
38 cagctatgag ctgtgtggca ccaacagggtg tcctgttctc ccagggtctc cctttccca       480  
39 tttggaaatataaaaaataac aattcctgccc ttcacgtgtt ttttttaggg gttaaatggt       540  
40 aaagggtgttt atatctgcta aggtatattt cttgatataat gttttgggtt tgaagatata       600  
41 tgggttatgt tagctatttc atgttttaggc tgctgttattt ttagtaggtt atattaaata       660  
42 gaggatttca ttataaagga caaagtctcc taatcttgcgatataaggattt acataactttt       720  
43 taaatataaca aggcatagaa tatggccatt tccgttaaat cataaattcc caactggta       780  
44 ttaatctaag aattcagaat tttaagtaat tgtttttgcgatataat tttttttgtt tacttcagtg       840  
45 ctctcaatta tgacggtgca ttggaaaccac ttgggttaac atttttttgtt ttttattacc       900  
46 aatacctagg cttcaaccta gtacaatgaa accagaatgt acagagtggg cactgggacg       960  
47 aaggagaaca agaccaaagg acatttttattttt tttatctcta tcagtggttcaaaatccctttt       1020  
48 cagaaggagc atatagtggg ccttaggtat tggccactt atccatcaaa gaggcacaca       1080  
49 cacttaatta gcatggagtgttataaaaat cttggagtgc aagctcacgg ttgtcttaac       1140  
50 aagaggagaa ggcttcaatg gatccttttgggtccttgc gctctgtctc tcatgtttgc       1200  
51 ttctcccttc aatctggaga cagagctctg ggagaggaa       1239  
53 <210> SEQ ID NO: 2  
54 <211> LENGTH: 11  
55 <212> TYPE: DNA  
56 <213> ORGANISM: Artificial Sequence

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58 <220> FEATURE:  
59 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 269  
61 <400> SEQUENCE: 2  
62 actaatgttt g 11  
64 <210> SEQ ID NO: 3  
65 <211> LENGTH: 11  
66 <212> TYPE: DNA  
67 <213> ORGANISM: Artificial Sequence  
69 <220> FEATURE:  
70 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 352  
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73 caaaggcatct c 11  
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77 <212> TYPE: DNA  
78 <213> ORGANISM: Artificial Sequence  
80 <220> FEATURE:  
81 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 1060  
83 <400> SEQUENCE: 4  
84 cactttatcc a 11  
86 <210> SEQ ID NO: 5  
87 <211> LENGTH: 11  
88 <212> TYPE: DNA  
89 <213> ORGANISM: Artificial Sequence  
91 <220> FEATURE:  
92 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 269  
94 <400> SEQUENCE: 5  
95 actaagggttt g 11  
97 <210> SEQ ID NO: 6  
98 <211> LENGTH: 11  
99 <212> TYPE: DNA  
100 <213> ORGANISM: Artificial Sequence  
102 <220> FEATURE:  
103 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 352  
105 <400> SEQUENCE: 6  
106 caaaagtatct c 11  
108 <210> SEQ ID NO: 7  
109 <211> LENGTH: 11  
110 <212> TYPE: DNA  
111 <213> ORGANISM: Artificial Sequence  
113 <220> FEATURE:  
114 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 1060  
116 <400> SEQUENCE: 7  
117 cacttcatcc a 11  
119 <210> SEQ ID NO: 8  
120 <211> LENGTH: 22  
121 <212> TYPE: DNA  
122 <213> ORGANISM: Artificial Sequence  
124 <220> FEATURE:

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125 <223> OTHER INFORMATION: Primer of polymorphic site 269 & 352  
 127 <400> SEQUENCE: 8  
 128 caggaggctca agaaggccta gt 22  
 130 <210> SEQ ID NO: 9  
 131 <211> LENGTH: 19  
 132 <212> TYPE: DNA  
 133 <213> ORGANISM: Artificial Sequence  
 135 <220> FEATURE:  
 136 <223> OTHER INFORMATION: Primer of polymorphic site 269 & 352  
 138 <400> SEQUENCE: 9  
 139 ccatcggtggc gcattatct 19  
 141 <210> SEQ ID NO: 10  
 142 <211> LENGTH: 20  
 143 <212> TYPE: DNA  
 144 <213> ORGANISM: Artificial Sequence  
 146 <220> FEATURE:  
 147 <223> OTHER INFORMATION: Primer of polymorphic site 1060  
 149 <400> SEQUENCE: 10  
 150 acgggtgcatt ggaaccactt 20  
 152 <210> SEQ ID NO: 11  
 153 <211> LENGTH: 21  
 154 <212> TYPE: DNA  
 155 <213> ORGANISM: Artificial Sequence  
 157 <220> FEATURE:  
 158 <223> OTHER INFORMATION: Primer of polymorphic site 1060  
 160 <400> SEQUENCE: 11  
 161 cccagagctc tgtctccaga t 21  
 163 <210> SEQ ID NO: 12  
 164 <211> LENGTH: 17  
 165 <212> TYPE: DNA  
 166 <213> ORGANISM: Artificial Sequence  
 168 <220> FEATURE:  
 169 <223> OTHER INFORMATION: Primer of polymorphic site 1060  
 171 <400> SEQUENCE: 12  
 172 agtgggcact gggacga 17  
 174 <210> SEQ ID NO: 13  
 175 <211> LENGTH: 20  
 176 <212> TYPE: DNA  
 177 <213> ORGANISM: Artificial Sequence  
 179 <220> FEATURE:  
 180 <223> OTHER INFORMATION: Primer of polymorphic site 1060  
 182 <400> SEQUENCE: 13  
 183 gatccattga agccttctcc 20  
 185 <210> SEQ ID NO: 14  
 186 <211> LENGTH: 23  
 187 <212> TYPE: DNA  
 188 <213> ORGANISM: Artificial Sequence  
 190 <220> FEATURE:  
 191 <223> OTHER INFORMATION: Primer of polymorphic site 1060

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Input Set : D:\52459-20020.txt

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193 <400> SEQUENCE: 14  
 194 gtaattgttt ttgcatacaga ttg 23  
 196 <210> SEQ ID NO: 15  
 197 <211> LENGTH: 23  
 198 <212> TYPE: DNA  
 199 <213> ORGANISM: Artificial Sequence  
 201 <220> FEATURE:  
 202 <223> OTHER INFORMATION: Primer of polymorphic site 1060  
 204 <400> SEQUENCE: 15  
 205 tccatgctaa ttaagtgtgt gtg 23  
 207 <210> SEQ ID NO: 16  
 208 <211> LENGTH: 22  
 209 <212> TYPE: DNA  
 210 <213> ORGANISM: Artificial Sequence  
 212 <220> FEATURE:  
 213 <223> OTHER INFORMATION: Primer of polymorphic site 269 & 352  
 215 <400> SEQUENCE: 16  
 216 ctgagatcaag ctcttccttc ag 22  
 218 <210> SEQ ID NO: 17  
 219 <211> LENGTH: 24  
 220 <212> TYPE: DNA  
 221 <213> ORGANISM: Artificial Sequence  
 223 <220> FEATURE:  
 224 <223> OTHER INFORMATION: Primer of polymorphic site 269 & 352  
 226 <400> SEQUENCE: 17  
 227 aggccaggaaat tgtttattttt tata 24  
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 231 <212> TYPE: DNA  
 232 <213> ORGANISM: Artificial Sequence  
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 235 <223> OTHER INFORMATION: Primer of polymorphic site 352  
 237 <400> SEQUENCE: 18  
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 240 <210> SEQ ID NO: 19  
 241 <211> LENGTH: 22  
 242 <212> TYPE: DNA  
 243 <213> ORGANISM: Artificial Sequence  
 245 <220> FEATURE:  
 246 <223> OTHER INFORMATION: Primer of polymorphic site 352  
 248 <400> SEQUENCE: 19  
 249 atttaacccc ctaaaaaaaac ac 22  
 251 <210> SEQ ID NO: 20  
 252 <211> LENGTH: 11  
 253 <212> TYPE: DNA  
 254 <213> ORGANISM: Artificial Sequence  
 256 <220> FEATURE:  
 257 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 269  
 259 <400> SEQUENCE: 20

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Input Set : D:\52459-20020.txt

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260 caaacattag t 11  
 262 <210> SEQ ID NO: 21  
 263 <211> LENGTH: 11  
 264 <212> TYPE: DNA  
 265 <213> ORGANISM: Artificial Sequence  
 267 <220> FEATURE:  
 268 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 269  
 270 <400> SEQUENCE: 21  
 271 caaacaccttag t 11  
 273 <210> SEQ ID NO: 22  
 274 <211> LENGTH: 11  
 275 <212> TYPE: DNA  
 276 <213> ORGANISM: Artificial Sequence  
 278 <220> FEATURE:  
 279 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 352  
 281 <400> SEQUENCE: 22  
 282 gagatgcttt g 11  
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 285 <211> LENGTH: 11  
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 287 <213> ORGANISM: Artificial Sequence  
 289 <220> FEATURE:  
 290 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 352  
 292 <400> SEQUENCE: 23  
 293 gagatacttt g 11  
 295 <210> SEQ ID NO: 24  
 296 <211> LENGTH: 11  
 297 <212> TYPE: DNA  
 298 <213> ORGANISM: Artificial Sequence  
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 301 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 1060  
 303 <400> SEQUENCE: 24  
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 306 <210> SEQ ID NO: 25  
 307 <211> LENGTH: 11  
 308 <212> TYPE: DNA  
 309 <213> ORGANISM: Artificial Sequence  
 311 <220> FEATURE:  
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 319 <212> TYPE: DNA  
 320 <213> ORGANISM: Artificial Sequence  
 322 <220> FEATURE:  
 323 <223> OTHER INFORMATION: Oligonucleotide of polymorphic site 269  
 325 <400> SEQUENCE: 26  
 326 tcagaataac t 11

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/943,531A

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TIME: 13:20:29

Input Set : D:\52459-20020.txt

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